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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/943,134	08/30/2001	Leonard Forbes	1303.020US1	9320		
21186	7590 08/22/2002					
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938			EXAMINER			
			HO, TU TU V			
MINNEAPO	LIS, MN 55402		110, 10	110, 10 10 1		
			ART UNIT	PAPER NUMBER		
			2818			
				DATE MAILED: 08/22/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

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3		Applies4's - Al		<i></i>		
Office Action Summary		Application No.	Applicant(s)			
		09/943,134	FORBES ET AL.			
		Examiner	Art Unit	_		
ļ	Th MAILING DATE of this communication on	Tu-Tu Ho	2818			
Period fo	Th MAILING DATE of this communication apports Reply	pears on the cover sheet	with the correspondence address			
THE - Exte after - If the - If NO - Failu - Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a like within the statutory minimum of the will apply and will expire SIX (6) More the application to become	a reply be timely filed  irty (30) days will be considered timely.  NOTHS from the mailing date of this communication  ARANDONED (35.11.5 C. 5.132)	on.		
1)[	Responsive to communication(s) filed on 02.	July 2002 .				
2a)□	This action is <b>FINAL</b> . 2b)⊠ Th	nis action is non-final.				
3)□ Dispositi	Since this application is in condition for allow closed in accordance with the practice under ion of Claims	ance except for formal m <i>Ex parte Quayle</i> , 1935 C	atters, prosecution as to the merits .D. 11, 453 O.G. 213.	is		
4)⊠	Claim(s) 1-84 is/are pending in the application	١.				
	4a) Of the above claim(s) is/are withdra	wn from consideration.				
5)	Claim(s) is/are allowed.					
6)[	Claim(s) is/are rejected.					
7)	Claim(s) is/are objected to.					
election re	Claim(s) <u>1-23, 25-31, 33-43, 46-50, 55, 56, 58</u> equirement.	-61, 63-66, 68-71, 73, an	<u>d 75-78</u> are subject to restriction ar	nd/or		
	on Papers					
l	The specification is objected to by the Examine					
10)[] 1	Γhe drawing(s) filed on is/are: a)□ accep					
	Applicant may not request that any objection to the		· ·			
11)[] ]	The proposed drawing correction filed on		disapproved by the Examiner.			
40\\	If approved, corrected drawings are required in rep					
	The oath or declaration is objected to by the Ex	aminer.				
	nder 35 U.S.C. §§ 119 and 120					
_	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
	☐ All b)☐ Some * c)☐ None of:					
	1. Certified copies of the priority documents					
	2. Certified copies of the priority documents have been received in Application No					
	<ol> <li>Copies of the certified copies of the prior application from the International Bure ee the attached detailed Office action for a list</li> </ol>	reau (PCT Rule 17.2(a)).	•			
	cknowledgment is made of a claim for domestic			on).		
a)	☐ The translation of the foreign language procknowledgment is made of a claim for domesti	visional application has b	een received.	•		
Attachment						
2) 🔲 Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)			
J.S. Patent and Tra	demark Office					

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## **DETAILED ACTION**

## Election/ Restriction

1. Applicant's election of Group I, 1-23, 25-31, 33-43, 46-50, 55, 56, 58-61, 63-66, 68-71, 73, and 75-78, in Paper No. 5 filed 02 July 2002 is acknowledged with appreciation. However, upon closer interpretation of the claims, further restriction is required.

Claims 1-84 are pending in this application.

Claims 1-23, 25-31, 33-43, 46-50, 55, 56, 58-61, 63-66, 68-71, 73, and 75-78 are directed to the following patently distinct species of the claimed invention:

**Embodiment I.** Illustrated in Figure 2 and other applicable figures, is directed to a horizontal channel floating gate transistor characterized in a claimed asymmetrical low tunnel barrier intergate insulator.

**Embodiment II.** Illustrated in Figure 3 and other applicable figures, is directed to a vertical channel floating gate transistor characterized in a claimed asymmetrical low tunnel barrier intergate insulator.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable

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thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 2. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (703) 305-0086. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (703) 308-4910. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

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Tu-Tu Ho August 15, 2002

> HOAI HO PRIMARY EXAMINER